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Ms. Erika Schwender, Director  
Resource Protection Division  
New Mexico Environment Department  
Harold Runnels Building, Room N4065  
1190 St. Francis Drive  
P.O. Box 5469  
Santa Fe, NM 87502

**RECEIVED**

**APR 25 2014**

**NMED**  
**Hazardous Waste Bureau**

Dear Ms. Schwender:

**Subject: Filing of Plans and Specifications, Radioactive Liquid Waste Treatment Facility Upgrade Project, Los Alamos National Laboratory, DP-1132**

In accordance with Section 20.6.2.1202 of the New Mexico Administrative Code, *Filing of Plans and Specifications—Sewerage Systems*, the U.S. Department of Energy and Los Alamos National Security, LLC (DOE/LANS) are submitting the 90% design plans and specifications (Enclosure 1) for the Radioactive Liquid Waste Treatment Facility's Upgrade Project (RLWTF UP) at Technical Area (TA)-50. This letter and Enclosure 1 also provide supplemental information to discharge permit application DP-1132 submitted by DOE/LANS on February 16, 2012.

The scope of the RLWTF Upgrade Project includes constructing a single-story reinforced concrete building, approximately 8,000 square feet in area and immediately adjacent to the existing RLWTF, to house the following:

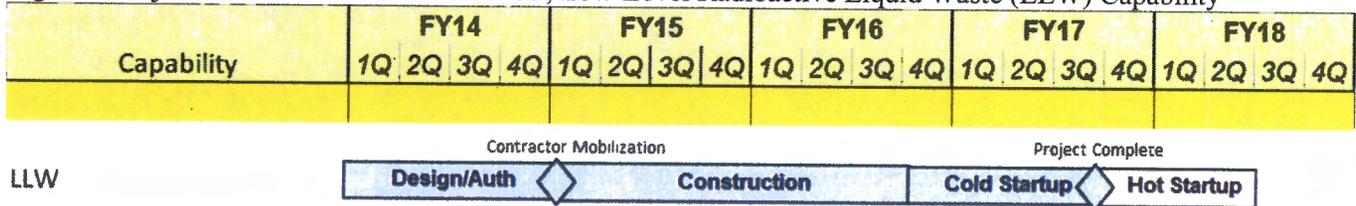
- ✓ Processing equipment for treating low-level radioactive liquid waste,
- ✓ A control room,
- ✓ An analytical laboratory,
- ✓ Change rooms for operators,
- ✓ Two 10,000 gallon treated effluent tanks, and
- ✓ A separate utility building to house mechanical and electrical equipment.



The RLWTF UP is a “like-for-like” replacement of the low-level radioactive liquid waste treatment capability currently provided in the existing RLWTF. As such, the RLWTF UP will not result in any change to the (1) location of the discharge, (2) quantity or quality of the discharge, or (3) the character of water contaminants received, treated, or discharged.

The current project schedule for the RLWTF UP is presented in Figure 1. Once the hot startup period has concluded the existing low-level capability at the RVLTF (TA-50 Building 1) will be removed from service and the units stabilized in accordance with applicable discharge permit requirements.

Figure 1. Project Schedule for the RLWTF UP, Low-Level Radioactive Liquid Waste (LLW) Capability



In closing, while the reasons for implementing the RLWTF UP are multi-fold, the principal driver for the project is to begin migrating radioactive liquid waste treatment operations out of the existing 50-year old facility.

Please contact Robert S. Beers by telephone at (505) 667-7969 or by email at [bbeers@lanl.gov](mailto:bbeers@lanl.gov) if you have questions regarding this matter.

Sincerely,



Michael T. Brandt, DrPH, CIH  
 Associate Director  
 Environment, Safety, and Health  
 Los Alamos National Security LLC

Sincerely,



Gene E. Turner  
 Environmental Permitting Manager  
 Environmental Projects Office  
 Los Alamos Field Office  
 U.S. Department of Energy

MTB:GET:RSB/lm

Enclosure:

1. Compact Disc (CD) containing the RLWTF Upgrade Project 90% Design Plans and Specifications

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 John E. Kieling, NMED/HWB, Santa Fe, NM, w/o enc.  
 Steven M. Yanicak, NMED/DOE/OB, (E-File)  
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